\_\_\_\_\_\_

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: markspencer

Timestamp: Mon Oct 15 14:52:36 EDT 2007

## Validated By CRFValidator v 1.0.3

Application No: 10590490 Version No: 1.0

Input Set:

Output Set:

**Started:** 2007-09-25 14:57:59.604

Finished: 2007-09-25 14:58:00.529

**Elapsed:** 0 hr(s) 0 min(s) 0 sec(s) 925 ms

Total Warnings: 15

Total Errors: 0

No. of SeqIDs Defined: 19

Actual SeqID Count: 19

Error code		Error Description									
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(5)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(6)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(7)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(8)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(9)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(10)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(11)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(12)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(13)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(14)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(15)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(16)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(17)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(18)
M	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(19)

## SEQUENCE LISTING

```
<110> TONELLI, CHIARA
     GALBIATI, MASSIMO
<120> CASSETTE FOR NUCLEIC ACID EXPRESSION IN PLANTS
<130> 2503-1227
<140> 10590490
<141> 2007-09-25
<150> PCT/EP05/001883
<151> 2005-02-23
<150> IT MI2004A000363
<151> 2004-02-27
<160> 19
<170> PatentIn Ver. 3.3
<210> 1
<211> 1291
<212> DNA
<213> Arabidopsis thaliana
<400> 1
cacaaggaca caaggacata tggtatgatg atatgctttg tttctctgct tctcttacta 60
atttgaaget gttggattga tttgtetett ettaegttee ettetttttt ttttegtttt 120
cttttgtcgt atagaccagg caggggctag ggcctagtga tgggtattgg cccaatacta 180
ttgggttatt tgcctggttt attatttcga ttttaggtta attcaatttt aagaatacgt 240
agatttgttt ggtttagttt ggtttggttg cactaagttc ggttttacat aaatagaatc 300
taacactact aattgttata cgtaaaatac aacaacaata acagattttt cgtttcaatt 360
ttcacatcct tcacgtagat gacaaaataa agaaaaacat gaatgaaagt tgtaacttgt 480
aagcatcaac atggaaatca tatcacaaag aacacaaatc taactaatgg gtcttttcac 540
atattggtat aattataagt tgtaagaata ttagttaaac agaggcaacg agagatgcgt 600
gatatatgaa aagttgaaaa caaaagacat ggatctaaag agtcaagcaa aatgtaatat 660
ctttttttct tctaaacttg aggatgtcca agttgcagtg aatgattccc tttaatcatg 720
gagaaattca atgaaataat tgtgtttctt cccacacttt atctttattt attttcttac 780
cacaattaca actattatca caaaaatgta agtaacatag cttgtgactc ttcttccatt 840
tatgagttga ttatcactat atttataagt aattaccaac gaatgttcca aattaagcaa 900
aatattgtaa tcgatacact atgtattcat ctacaatatg ttaacgagct ccttttatgg 960
aaatatttcg attgaaaaaa catttgatgg atcgttcact aaataaataa tccagtaacg 1020
ttttcttaag ggagatatac atattcgtgt ggagatcaac atatcttcgt taattgacta 1080
cqcaaaatag ttaatggaaa aggcagagtg actcgtgagc ttggcagatc caaaagaggt 1140
tgtcaagaaa aagcagattt aaaagttctt ccctcttctt taagtcaccc attaatttca 1200
catatatgta catacatgtt gcatttaact catatacata catattctca catctataaa 1260
                                                                1291
gagagcataa gactcagaga gatctagagg a
```

<sup>&</sup>lt;210> 2

<sup>&</sup>lt;211> 246

<sup>&</sup>lt;212> DNA

<sup>&</sup>lt;213> Arabidopsis thaliana

```
<400> 2
cgtgtggaga tcaacatatc ttcgttaatt gactacgcaa aatagttaat ggaaaaggca 60
gagtgactcg tgagcttggc agatccaaaa gaggttgtca agaaaaagca gatttaaaag 120
ttcttccctc ttctttaagt cacccattaa tttcacatat atgtacatac atgttgcatt 180
taactcatat acatacatat tctcacatct ataaagagag cataagactc agagagatct 240
                                                                246
agagga
<210> 3
<211> 603
<212> DNA
<213> Arabidopsis thaliana
<400> 3
caagttgcag tgaatgattc cctttaatca tggagaaatt caatgaaata attgtgtttc 60
ttcccacact ttatctttat ttattttctt accacaatta caactattat cacaaaaatq 120
taagtaacat agcttgtgac tcttcttcca tttatgagtt gattatcact atatttataa 180
gtaattacca acgaatgttc caaattaagc aaaatattgt aatcgataca ctatgtattc 240
atctacaata tgttaacgag ctccttttat ggaaatattt cgattgaaaa aacatttgat 300
ggatcgttca ctaaataaat aatccagtaa cgttttctta agggagatat acatattcgt 360
gtggagatca acatatcttc gttaattgac tacgcaaaat agttaatgga aaaggcagag 420
tgactcgtga gcttggcaga tccaaaagag gttgtcaaga aaaagcagat ttaaaagttc 480
ttccctcttc tttaagtcac ccattaattt cacatatatg tacatacatg ttgcatttaa 540
ctcatataca tacatattct cacatctata aagagagcat aagactcaga gagatctaga 600
                                                                603
gga
<210> 4
<211> 999
<212> DNA
<213> Arabidopsis thaliana
<400> 4
atagaatcta acactactaa ttgttatacg taaaatacaa caacaataac agatttttcg 60
ctttcaaatt cacatccttc acgtagatga caaaataaag aaaaacatga atgaaagttg 180
taacttgtaa gcatcaacat ggaaatcata tcacaaagaa cacaaatcta actaatgggt 240
cttttcacat attggtataa ttataagttg taagaatatt agttaaacag aggcaacgag 300
agatgcgtga tatatgaaaa gttgaaaaca aaagacatgg atctaaagag tcaagcaaaa 360
tgtaatatct ttttttcttc taaacttgag gatgtccaag ttgcagtgaa tgattccctt 420
taatcatgga gaaattcaat gaaataattg tgtttcttcc cacactttat ctttatttat 480
tttcttacca caattacaac tattatcaca aaaatgtaag taacatagct tgtgactctt 540
cttccattta tgagttgatt atcactatat ttataagtaa ttaccaacga atgttccaaa 600
ttaagcaaaa tattgtaatc gatacactat gtattcatct acaatatgtt aacgagctcc 660
ttttatggaa atatttcgat tgaaaaaaca tttgatggat cgttcactaa ataaataatc 720
caqtaacqtt ttcttaaqqq aqatatacat attcgtgtgg agatcaacat atcttcgtta 780
```

attgactacg caaaatagtt aatggaaaag gcagagtgac tcgtgagctt ggcagatcca 840

aaagaggttg tcaagaaaaa gcagatttaa aagttcttcc ctcttcttta agtcacccat 900

taatttcaca tatatgtaca tacatgttgc atttaactca tatacataca tattctcaca 960

999

<210> 5
<211> 22
<212> DNA
<213> Artificial Sequence

tctataaaga gagcataaga ctcagagaga tctagagga

```
<220>
<223> Description of Artificial Sequence: Synthetic
     primer
<400> 5
tcggatcctc tagatctctc tg
                                                                   22
<210> 6
<211> 24
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
     primer
<400> 6
                                                                   24
aagcttcaca aggacacaag gaca
<210> 7
<211> 27
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
     primer
<400> 7
atagaatcta acactactaa ttgttat
<210> 8
<211> 23
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      primer
<400> 8
aagcttcaag ttgcagtgaa tga
                                                                   23
<210> 9
<211> 23
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      primer
```

<400>	9					
aagcttcgtg tggagatcaa cat						
<210>	10					
<211>	22					
<212>	DNA					
<213>	Artificial Sequence					
<220>						
<223>	Description of Artificial Sequence: Synthetic					
	primer					
<400>	10					
aagctt	igcag agtgactcgt ga	22				
<210>						
<211>						
<212>						
<213>	Artificial Sequence					
<220>						
<223>	Description of Artificial Sequence: Synthetic					
	primer					
. 4.0.0						
<400>		0.4				
cactt	gatgg agctctctaa tatg	24				
<210>	1.2					
<211>						
<211>						
	Artificial Sequence					
\213/	Altilitat Sequence					
<220>						
	Description of Artificial Sequence: Synthetic					
\ZZJ/	primer					
	brimer					
<400>	12					
	gacgt ttgtctagta g	21				
9						
<210>	13					
<211>	21					
<212>						
	Artificial Sequence					
	±					
<220>						
	Description of Artificial Sequence: Synthetic					
	primer					
<400>						
\ <del>1</del> 00/	13					
	13 ggccg ccggatcttg a	21				

```
<211> 23
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      primer
<400> 14
cttgtctctc catatcttga gca
                                                                   23
<210> 15
<211> 29
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      primer
<400> 15
ggagaagaac ttttcactgg agttgtccc
                                                                   29
<210> 16
<211> 30
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      primer
<400> 16
tagttcatcc atgccatgtg taatcccagc
                                                                   30
<210> 17
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      primer
<400> 17
aataacggtt caggcacagc
                                                                   20
<210> 18
<211> 21
<212> DNA
<213> Artificial Sequence
```

<220>

<223>	Description of Artificial Sequence: Synthetic primer							
<400>	18							
ctgtggaatt gatcagcgtt g								
<210>	19							
<211>	18							
<212>	DNA							
<213>	Artificial Sequence							
<220>								
<223>	Description of Artificial Sequence: Synthetic							
	primer							
<400>	19							
gggaat	ttcgt cgacaagc	18						